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1 Routine/Function Prologues

1.1 Fortran: Module Interface baseforcing_pluginMod.F90 (Source File: baseforcing_pluginMod.F90)

This module contains the definition of the functions used for incorporating a new model forcing scheme.

REVISION HISTORY:

11 Dec 03 Sujay Kumar Initial Specification

INTERFACE:

```
module baseforcing_pluginMod
```

1.1.1 baseforcing plugin (Source File: baseforcing_pluginMod.F90)

This is a custom-defined plugin point for introducing a new forcing scheme. The interface mandates that the following routines be implemented and registered for each model forcing scheme.

retrieval of forcing data Routines to retrieve forcing data and to interpolate them. (to be registered using registerget)

definition of native domain Routines to define the native domain as a kgds array (to be registered using registerdefnat)

temporal interpolation Interpolate forcing data temporally. (to be registered using registertimeinterp)

Multiple forcing schemes can be included as well, each distinguished in the function table registry by the associated forcing index assigned in the card file.

INTERFACE:

```
subroutine baseforcing_plugin
```

USES:

```
use geosdomain_module
use gdasdomain_module
```

CONTENTS:

```
call registerget(1,getgdas)
call registerget(2,getgeos)

call registerdefnat(1,defnatgdas)
call registerdefnat(2,defnatgeos)

call registertimeinterp(1,time_interp_gdas)
call registertimeinterp(2,time_interp_geos)
```